BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name Of Work: Maintenance of Dasarahalli Zonal Office in Bagalagunte Ward No 14

Est.Cost. Rs.20.00 Lakhs

P- 0595

Budjet Code:05-220401

BRUHATH BANGALORE MAHANAGARA PALIKE

ame of Work :- Maintenance of Dasarahalli Zonal Office in Bagalagunte Ward No

Detailed Estimate

ob Code No; **Estimate Cost Rs 20.00 Lakhs**

Sl	Description of work	Unit	No	Dimensions			Qty	Rate	Amount
				Length	Bredth	Depth			
1	Providing and Removing centering ,shuttering,strutting,propping & removel of form work etc for edges of slab and breaks in Floor including cost of all materials labour complete as per specification specification No;KBS 4.6.2 P-17 ,I-4.36 PWD SR 2018-								
	For Ramp Bottom	Sqm	1	3.50	1.30		4.55		
			1	3.30	1.30		4.29		
	Sides		2	3.50		0.25	1.75		
			2	3.50		0.25	1.75		
							12.34	815.40	10062.04
	Basic Rate Rs	755.00							
	Area weightage @8%	60.4							
	Total	815.40							
2	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum, mechine mixed concrete with super plastisiser @ 3 ltrs confoming to IS 9103-1999 reaffirmed 2008 machine mixed concrete laid in layers not exeeding 15 cms thick well compacted HOM of machinery,curing etc., complete excluding cost steel as per MORTH specification No.1500,1700,2200, including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. **of KPWD S.R 2018-19) P-14. I-4.11**									
	For Ramp	Cum	1	3.50	1.30	0.25	1.14		
			1	3.30	1.30	0.25	1.07		
			1	1.30	0.60	0.75	0.59		
			1	1.30	0.30	0.75	0.29		
						Total	**3.09**	**6111.72**	**18869.94**
	Basic Rate	5659.00							
	Area weightage @8%	452.72							
	Total	6111.72							
3	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500**(Page No 18., I.No.4.46.2 of KPWD S.R 2018-19).**									92158 136 13.1

	Quantity as item 2	3.09 Cum @80 kg/Cum					247.00		
		Tonnes				or	0.25	92662.02	**23165.51**
	Basic Rate	87417.00							
	Area weightage @8%	6993.36							
	Total	92662.02							
4	Providing and laying Hassan green/River pink granite flooring for stair case treads and rises using prepolished 20mm thick water cut green granite slab laid over existing cement concrete bed in cm 1;3 average 20 mm thick including full rounding for nosing cutting 3 line grooves not more than 2mm wide for anti skidding including cost of all material mortar labour curing etc complete as per specification(- P-110,I-14.51 PWD SR 2018-19)								
		Sqm	1	3.30	1.30		4.29		
			1	3.50	1.30		4.55		
							8.84	4812.48	42542.32
	Basic Rate	4456.00							
	Area weightage @8%	356.48							
	Total	4812.48							
5	Providing and fixing 304 grade stainless steel hand rails of 14 gauge pipes for Ramps or Saircase are made out of stainless steel hallow pipes using 50mm dia for verticals @ 1.60 mtr c/c are fixed to the ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of vertical pipes 4 Nos anchor bolts & 40mm dia pipes are fixed horizontally for 2-rows top one pipes are fixed vertical pipes another one are fixed with elbows and 25mm dia pipes are fixed horizontally for 2 rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops bottoms & corne` finishing with mat/shining etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer in charge of the work Ramps or Staircase for physically challenged. (P-45 I-7.39 PWD SR 2018-19								
	Qtty as item no 4	Sqm	2	3.30		1.00	6.60		
			2	3.50		1.00	7.00		
							13.60	5808.24	**78992.06**
	Basic Rate	5378.00							
	Area weightage @8%	430.24							
	Total	5808.24							
6	Dismantling weather proof course and removing and conveying the debris to a distance upto 200m. (P-269 I-37.44 PWD SR 2018-19)								
		Cum	2	25.00	13.00	**0.15**	97.50		
			1	6.00	4.50	**0.15**	4.05		
							101.55	**799.20**	81158.76
	Basic Rate Rs	740.00							
	Area weightage @8%	59.20							
	Total	799.20							

7	Providing and laying intergral cement based waterproofing treatment including preparation of surface as required of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS: 2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs.(c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing P-68 ,I-10.2 PWD SR 2018-19						
			2	25.00	13.00	650.00	
			1	6.00	4.50	27.00	
						677.00	**1086.48**	735546.96
	Basic Rate Rs	1006.00					
	Area weightage @8%	80.48					
	Total	1086.48					
8	KSRB 10-2: Providing and laying in position yelahanka tiles of size 250 x 250mm of approved quality and make, over a bed of cement mortar 1:3 an average thickness 25mm over weather proof cou`e and pointed with cement mortar 1:3 mix with red oxide including curing cost of materials, labour complete as per specifications. Specification No. KBS (P-68 I-10.1) PWD SR 2018-19						
			2	25.00	13.00	650.00	
			1	6.00	4.50	27.00	
						677.00	**1056.24**	715074.48
	Basic Rate Rs	978.00					
	Area weightage @8%	78.24					
	Total	1056.24					
						Total Construction charges	1705412.06
						Towards GST12%	204649.45
						Tender Premium @ 5 %	85270.60
						Miscellanious and Rounding off LS	4667.89
						Total Amount Rs	**2000000.00**

Certificate:

1. The work spot has been inspected and items made are found to be necessary .
2. The work spot comes under BBMP Limits.
3. The provisions made in the estimate are necessary and minimum.
4. The estimate is based on CSR of PWD Circle, Bengaluru for the year 2018-19.

Assistant Engineer
Ward No-14

Assistant Executive Engineer
Dasarahalli Sub division

Executive Engineer
Dasarahalli Division

ADMINISTRATIVE SANCTIONED FOR
(Rupees) Twenty Lakh
Under P-0595 Account
EE/DD/195/100/21-22 Date 13-01-22
AE. (DASA)

Technically Sanctioned for Rs Twenty Lakh 20 Lak
Rs In words Twenty Lakh
Under P-0595
Job Code No 05-220401
Registered as Civil Subject
to conditions contained in
No EE/DD/TS/195/21-22 13-1-22
Executive Engineer
AE/JE